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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,433	11/12/2003	Timothy D. Smythe JR.		7148
7590	01/31/2006		EXAMINER	
Clifford Kraft 320 Robin Hill Dr. Naperville, IL 60540			HORTON, YVONNE MICHELE	
			ART UNIT	PAPER NUMBER
			3635	
			DATE MAILED: 01/31/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/706,433	SMYTHE, TIMOTHY D.	
	<b>Examiner</b> Yvonne M. Horton	<b>Art Unit</b> 3635	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 21 October 2005.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 16-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 16 and 18-25 is/are rejected.
- 7) Claim(s) 17 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____ .

## **DETAILED ACTION**

### ***Response to Amendment***

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### ***Claim Objections***

Claim 16 is objected to because of the following informalities: In claim 16, line 1, "nocoat" should be –non-coat--; and on line 9, the phrase "can be" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d). Appropriate correction is required.

### ***Double Patenting***

Claims 24 and 25 are objected to under 37 CFR 1.75 as being a substantial duplicate of claims 19 and 20. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

### ***Claim Rejections - 35 USC § 103***

Claim 16 and 18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent #4,929,474 to AVNI et al. in view of US Patent #4,612,152 to KAWABATA et al. or US Patent #5,723,199 to BOOT. AVNI et al. discloses the process of producing a non-coat finishing product including the steps of co-extruding a plastic layer (12) and a finishing paper layer (10) to form a semi-rigid structural piece. AVNI et al. discloses the basic claimed process except for the step of producing protrusions on

the plastic layer. Both KAWABATA et al. and BOOT teach the step of producing protrusions (as at 4) and (as at 9) on a plastic layer. Hence, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the layer of AVNI et al. with the protrusions of either KAWABATA et al. or BOOT in order to provide the structure with a decorative ornamentation or to improve the adhesion between two materials. Regarding claim 18, the finishing paper of AVNI et al. is a kraft paper; however, it would have been obvious to one having ordinary skill in the art at the time the invention was made to select a known material suitable for the use intended as an obvious matter of design choice. In reference to claims 19 and 25, the protrusions of BOOT appear to be pointed; thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made to select a desired protrusion shape that is suitable for the use intended as an obvious matter of design choice. Regarding claim 20 and 24, and the protrusions of BOOT form a cross-hatch pattern; it too would have been obvious to one having ordinary skill in the art at the time the invention was made to select a desired protrusion shape that is suitable for the use intended as an obvious matter of design choice. In reference to claim 21, although neither BOOT or KAWABATA et al. teach forming wave pattern protrusions specifically, the protrusions of BOOT appear to form a wave pattern. Hence, it would have been obvious to one having ordinary skill in the art at the time the invention was made to select a desired protrusion shape that is suitable for the use intended as an obvious matter of design choice. Further, the applicant has not shown any criticality for the desired protrusion

shape (i.e. pointed, wave, or cross-hatch pattern. Regarding claims 22 and 23, the protrusions of both BOOTH and KAWABATA et al. run lengthwise and edge-to-edge.

***Allowable Subject Matter***

Claim 17 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yvonne M. Horton whose telephone number is (571) 272-6845. The examiner can normally be reached on 6:30 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl D. Friedman can be reached on (571) 272-6842. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Yvonne M. Horton  
Art Unit 3635  
1/18/06